

FarmLens Ltd

Website: farmlens.africa | App: app.farmlens.africa | Headquarters: Nairobi, Kenya



Crop details

Oats

Avena sativa

Family: Poaceae

Categories

Cereals & Pseudocereals

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Quick stats

Family	Poaceae
Typical harvest	2.5 t/ha
Varieties	1
Pests and diseases	1
Seasons	1

Crop profile

Growth habit	annual
Days to harvest	100-140
Main uses	Cereal grain; forage
Pollination	wind
Origin and where it grows	Temperate regions

Weather, soil and spacing

Best temperature	12 - 20 °C
Rainfall	500 - 800 mm/yr
Altitude	800 - 2600 m
Best pH	5.5 - 6.8
Soil type	Loam to clay loam
Row spacing	20 cm
Plant spacing	5 cm
Planting depth	3 cm
Seed rate	70 kg/ha

Simple notes for farmers

About the crop: This crop is annual; it grows and is harvested in one season. Harvest typically starts about 100-140 days after planting.

Main use: Farmers mostly grow this crop for cereal grain; forage.

Pollination: Mainly wind; healthy flowers and pollinators improve fruit set.

Where it grows: Temperate regions. Grouped under: Cereals & Pseudocereals.

Best climate: 12 - 20 °C; 500 - 800 mm/yr; up to about 2600 m a.s.l.

Soil: Best at pH 5.5 - 6.8; loam to clay loam.

Farmer guide (Mwongozo wa Mkulima)

Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	DAP 18-46-0	80 kg/ha	N: N/A, P?O?: N/A, K?O: N/A	N/A
2	Tillering	30	CAN 26% N	100 kg/ha	N: N/A, P?O?: N/A, K?O: N/A	N/A

Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	30	kg/ha
P?O?	Basal	20	kg/ha
K?O	Basal	20	kg/ha
N	Topdress	30	kg/ha

Field images



Varieties

Name	Country	Maturity (days)	Traits
Highland Oat	KE	120	Forage or grain

Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	DAP 18-46-0	80	

Pests and diseases

Name	Type	Symptoms	Management
Rusts	disease	Orange/brown pustules	Resistant cultivars; timely fungicide

Yields

System	Typical	Min	Max	Notes
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rained highland	2.5	1.5	4	
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Season calendars

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Highlands	Mar–Apr	Jul–Aug

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Highlands	High

Source: **FarmLens Ltd** - farmlens.africa and app.farmlens.africa. Headquarters: Nairobi, Kenya. This guide was generated from the FarmLens database.